

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS

1. (currently amended) A hearing aid including a data transmission device for
5 hearing aids, comprising:
- a modulatable oscillator circuit configured for generating an alterable
transmission signal;
- said oscillator circuit comprising a coil; ~~and~~
- said coil is utilized as an antenna for radiating the transmission signal and
10 for receiving a reception signal; and
- an actuation circuit having a feed for delivering an adjustable amount of
energy into the oscillator circuit exclusively during a negative or
positive half-cycle of the oscillation in the oscillator circuit wherein
the actuation circuit further comprises a current mirror that is
15 actuated by a comparator circuit that monitors the polarity of the
oscillation.
2. (original) The data transmission device as claimed in claim 1, wherein the
oscillator circuit comprises an LC resonant circuit.
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- 3–4. (cancelled).
5. (original) The data transmission device as claimed in claim 4, wherein the
actuating current mirror comprises a control to control the transmission power
25 that is to be output and the oscillation amplitude.

6. (original) The data transmission device as claimed in claim 1, further comprising a modulator circuit that is connected to the oscillator circuit and comprises a connectable capacitor element, configured for frequency modulating an oscillation in the oscillator circuit.

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7. (original) The data transmission device as claimed in claim 1, further comprising a trimming device that is connected to the oscillator circuit, configured for trimming the resonant frequency of the oscillator circuit.

10 8. (original) The data transmission device as claimed in claim 7, wherein the trimming device comprises one or more connectable capacitors.

9. (original) The data transmission device as claimed in claim 4, wherein the current mirror further comprises an actuation signal configured to help produce
15 an amplitude modulation.

10. (original) The data transmission device as claimed in claim 9, further comprising a modulator circuit that is connected to the oscillator circuit and comprises a connectable capacitor element, configured for frequency modulating
20 an oscillation in the oscillator circuit.

11. (original) The data transmission device as claimed in claim 9, further comprising a trimming device that is connected to the oscillator circuit, configured for trimming the resonant frequency of the oscillator circuit.

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